

Abstract

A process for digital message transmission is specified, in which the transmitted signals are sampled at the end of a transmission link by means of a device for timing recovery and are then further processed. In this case the signals are fed to a discriminator simultaneously via two separate paths, a delay path and a path fitted with a filter. A wideband bandpass filter with a relative bandwidth of 0.2 % to 0.4 % of the bit timing of the transmitted signals is used as a filter, whose transient recovery time is less than the time by which the signals are delayed on the delay path, which in turn is less than the decay time of the bandpass filter. An amplifier limiting the amplitude of the output voltage of the same limiting amplifier via which the timing signals are brought to the required constant level, is connected downstream of the bandpass filter.